



# Avoiding Electrocution in Construction: High Voltage Safe Work Practices

## 1 Who Should Attend . . .

This program is a must for anyone concerned about health and safety on the job including:

- ▶ Managers concerned about liability and workers' compensation costs
- ▶ Employees who want to learn proper techniques for protecting their safety and health at work
- ▶ Business owners who want to learn about compliance with MIOSHA

## 2 Why you need this Workshop . . .

- ▶ To reduce disabling injuries and illnesses to employees - and to ensure that every worker goes home safe and healthy every day.
- ▶ To reduce the high direct costs of work-related injuries, which grew to \$42.5 billion nationally in 2000, and indirect costs, which were estimated at an additional \$127 - \$212 billion in 2002. (2003 Liberty Mutual Safety Index.)
- ▶ To enhance your company's bottom line. A strong safety and health commitment not only protects workers, it also reduces worker's compensation costs, improves employee morale, and increases production and quality.

## 3 What You'll Learn . . .

Electrocutions are the second leading cause of fatalities in construction nationally. In Michigan (2003) they were the number one cause of construction fatalities. This program will explain and illustrate safety practices the electrical industry itself uses before performing work on energized overhead lines. Emphasized will be the importance of recognizing and eliminating hazards so as to avoid the possibility of any contact with energized lines. Covered in the program: standards that apply to energized line clearances; what constitutes fatal amount of current; how to determine voltages and when overhead lines need to be de-energized.

### Agenda

*We offer a flexible  
program agenda  
to emphasize the  
topics you  
want most.*

- ▶ Standards That Apply To Energized Line Clearances
- ▶ What Constitutes Fatal Amount Of Current
- ▶ How To Determine Voltages
- ▶ When Overhead Lines Need To Be De-energized.

# Facilitator

Patrick Sullivan began his MIOSHA career as a compliance officer with the Construction Safety Division in 1994. Seeking a new challenge he transferred to the CET Division as a traditional consultant specializing in Construction safety. He enjoys reaching out to employers and employees to help them be proactive instead of reactive to jobsite safety.

In 1976 Patrick started as a laborer and then in 1977 joined the Bricklayers Union as an apprentice. After completing his apprenticeship Patrick worked on many of Detroit's major building restoration projects. His MIOSHA enforcement experience and extensive knowledge of all types of scaffolding, fall protection and all other aspects of the construction industry make him a valuable teacher and consultant for the CET Division. His experiences investigating serious construction accidents and fatalities make him a passionate advocate for preplanning construction projects and promoting safety on every jobsite.



**Patrick Sullivan**  
*Construction Safety Consultant,  
MIOSHA, CET Division*

## Program Details

**DATE:** April 5, 2006  
**LOCATION:** St. Clair County Community College  
Citizens First M-TEC, Room 208  
323 Erie St.  
Port Huron, MI 48061  
**COST:** \$30 per person, includes course materials.

**TIME:** Check-in - 8:30 a.m.  
Program - 9:00 a.m. to 12:00 p.m.  
**DEADLINE:** Register by March 31, 2006  
Enrollment is limited to 35 participants, so please register early!  
**CONTACT:** Bonnie DiNardo - 810.989.5788  
workforce@sc4.edu

**COSPONSOR:** *St. Clair County Community College*

## How to Register

Avoiding Electrocution in Construction:  
High Voltage Safe Work Practices

Complete this information for each person registering:

► **Fax:** 810.989.5738

► **Web:** To Register On-line, go to  
[www.sc4.edu/wave](http://www.sc4.edu/wave)

(Click: Wave for non-credit student)

For more information, contact  
Workforce Training Institute at  
810.989.5788

Name: \_\_\_\_\_  
Home Address: \_\_\_\_\_  
City: \_\_\_\_\_  
State: \_\_\_\_\_ Zip: \_\_\_\_\_  
Phone: \_\_\_\_\_  
Fax: \_\_\_\_\_  
Email: \_\_\_\_\_  
Number Attending: \_\_\_\_\_ @ \$30 each = \$ \_\_\_\_\_  
Birth Date: \_\_\_\_\_ (Needed for Registration)

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